

Simon Puthur Binu

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SUMMARY

Computer Science undergraduate with hands-on experience in software and electronics, including full-stack web and mobile development and Arduino-based electrical projects. Proficient in integration with React, Flutter, Firebase, Google Cloud, and Gemini AI. Hackathon winner with a strong track record of exploring and building practical solutions in various domains.

EDUCATION

Model Engineering College <i>Bachelor of Technology in Computer Science and Engineering</i>	Ernakulam, Kerala 2024 – 2028
Devamatha CMI Public School <i>Class X and XII</i>	Thrissur, Kerala 2012 – 2024

PROJECTS

Sakshya <i>React, Firebase, Gemini, Google Cloud</i>	January 2026 – Present
<ul style="list-style-type: none">Developing a full-stack web platform for video analysis using React on the frontend and Firebase as a Backend-as-a-ServiceIntegrated Gemini 2.5 Flash and Pro models via Vertex AI to analyze compressed video content efficientlyDesigned workflows to preprocess, compress, and analyze videos while optimizing for latency and costCollaborated in a 3-member team following rapid prototyping and iterative development practicesWinner of the Google Developer Group on Campus MEC Techsprint Hackathon 2026	
Medisukham <i>Flutter, Gemini, Google Cloud</i>	November 2025 – Present
<ul style="list-style-type: none">Building a mobile application to digitize medical prescriptions and automate medication remindersLeveraged Gemini models to extract, infer, and structure dosage timings from unstructured prescription dataImplemented automated alarm scheduling based on inferred medication instructionsDesigned a simple, accessible user interface optimized for older usersFocused on reliability and ease of use in a real-world healthcare-oriented use case	
Partify <i>discord.js, socket.io, Node.js</i>	March 2022 – July 2022
<ul style="list-style-type: none">Designed and built a real-time group music listening platform for Discord users, enabling synchronized playback across clientsDeveloped a Discord bot using discord.js to manage user sessions, commands, and room coordinationImplemented low-latency, bi-directional communication between the Discord bot and web client using socket.ioIntegrated YouTube audio extraction to stream and share music seamlessly among multiple users	

TECHNICAL SKILLS

Languages: Python, Java, Javascript, C, C#, C++, GDScript, Dart

Frameworks and Software: React, Node.js, Flask, Svelte, FastAPI, Flutter, Godot Engine

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ

Languages: English (Professional Working Proficiency), Malayalam (Native), German (Elementary)

Interests: Web and App Development, Open Source Contribution, UI / UX Designing, Blogging, Game Development, Arduino Hardware Tinkering